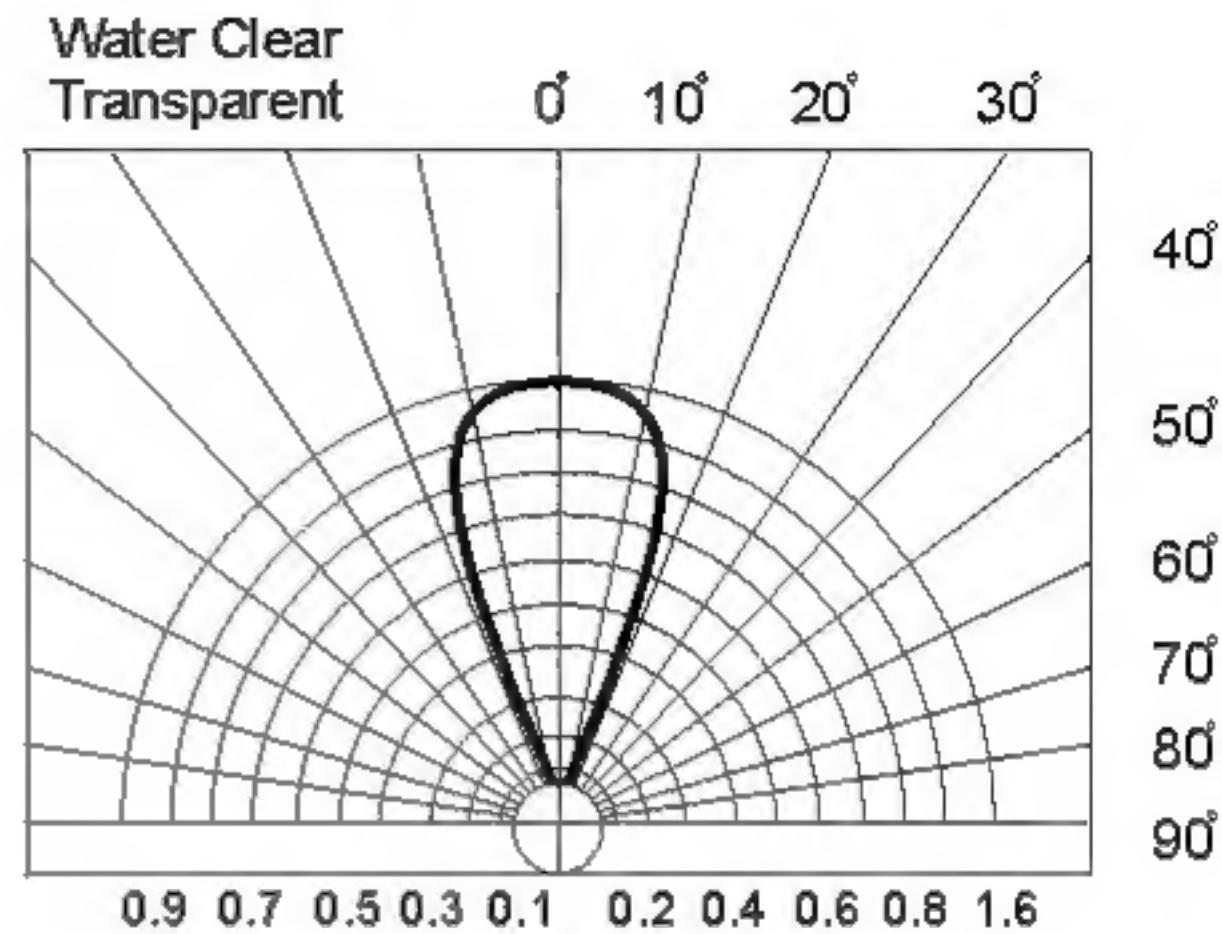
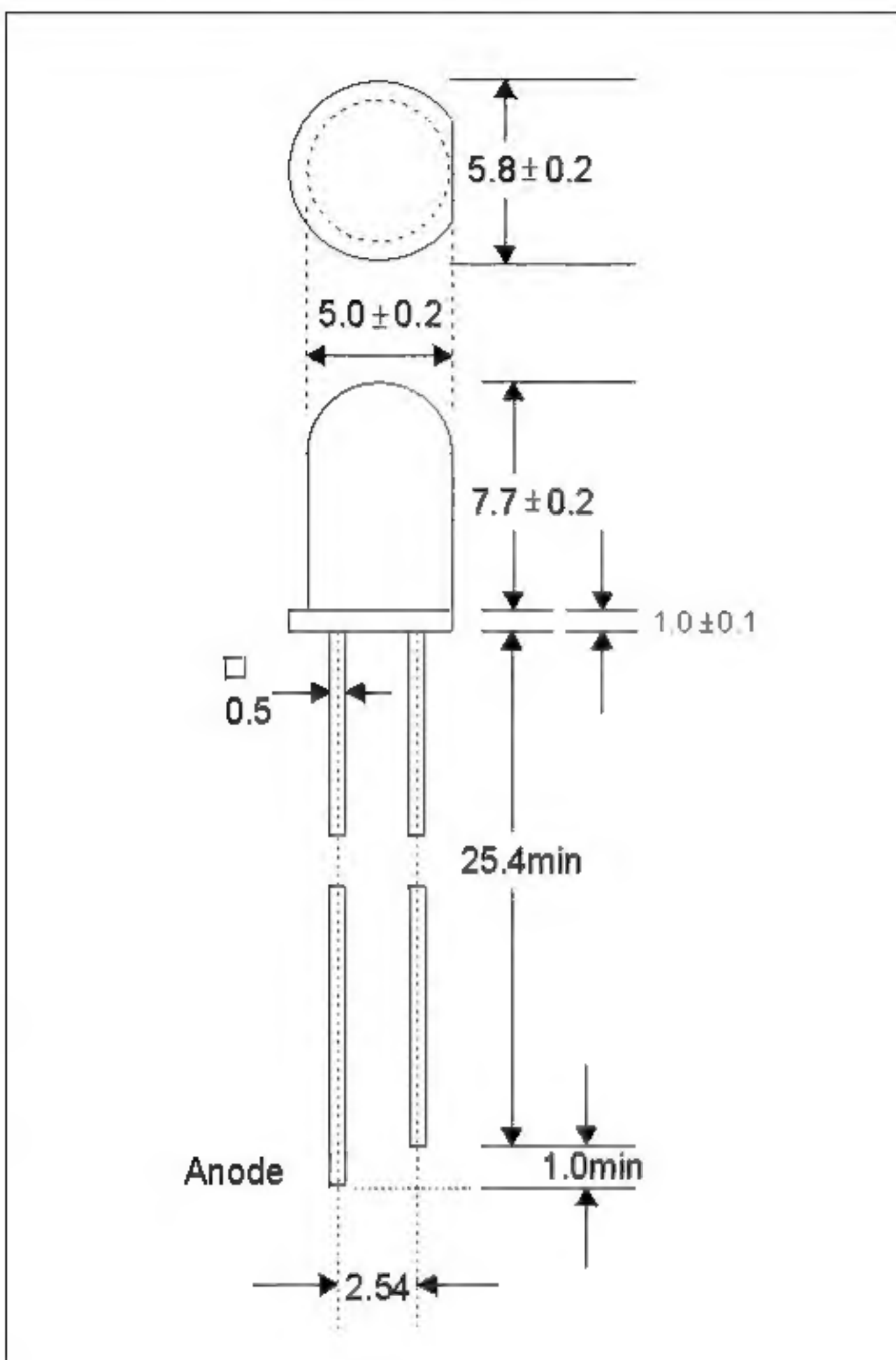


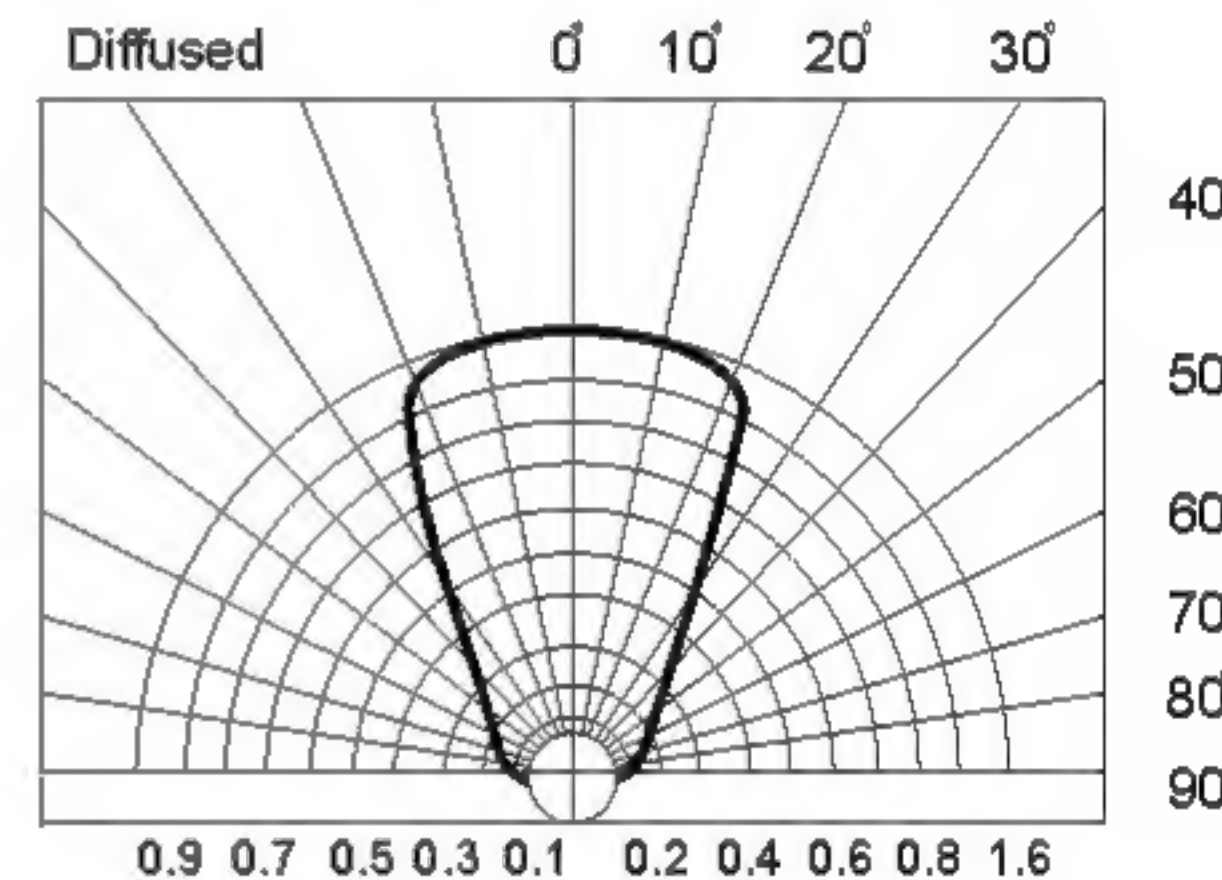
# L-513XX SERIES

## 5mm, Round Type LED Lamp

PACKAGE DIMENSIONS(unit: mm)



SPATIAL DISTRIBUTION



SPATIAL DISTRIBUTION

ABSOLUTE MAXIMUM RATINGS:(Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current(Vr=5V)	: 10uA
Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature	: 260°C for 5 Seconds

PART SELECTION AND APPLICATION INFORMATION(RATINGS AT 25°C AMBIENT)

PART  NO.	CHIP			LENS  COLOR	Absolute Maximum Ratings				Electrical-Optical Characteris						Viewing Angle (deg)
	Material	PEAK WAVE Lenght $\lambda_p(\text{nm})$	Emitting Color						VF(V)			Rec if(mA)	Iv(mcd)		
					$\Delta \lambda$ (nm)	pd (nW)	IF (mA)	Peak if(mA)	Mim.	Typ.	Max.	Max.	Mim.	Typ.	
513BD	InGaN	465	Blue	Blue Diffused	20	120	30	100	2.9	3.3	3.6	10-20	300	800	60